

IN THE CLAIMS:

Please cancel Claims 17 to 21 without prejudice or disclaimer of subject matter. Please amend the remaining claims as follows:

1. (Currently Amended) A data structure ~~used~~ embodied on a computer-readable memory medium, usable by a computer-implemented color management system to model color behavior of a color device, comprising:

a measurement component comprising ~~a collection of measurements, wherein each measurement represents at least one of control signal data by which is in device dependent coordinates and a sample color measurement is obtained by effecting a corresponding color output from or input to the color device, or a set of color coordinates coordinate data which correlate~~ correlates to said ~~at least one control signal data, or both;~~ and

a characterization process component comprising platform-independent code for a characterization process based on the measurement component ~~which processes said collection of measurements to produce a color behavior model for the color device.~~

2 (Currently Amended) A data structure of Claim 1, further comprising:

a control parameter component comprising control parameters representing a type or state of the color device,

wherein said characterization process component processes said ~~collection of measurements~~ measurement component in accordance with said control parameters, in

order to produce a color behavior model for the color device corresponding to said type or state of the color device.

3. (Original) A data structure of Claim 1, wherein said data structure is stored as a device profile in ICC format, using custom tags.

4. (Original) A data structure of Claim 2, wherein said data structure is stored as a device profile in ICC format, using custom tags.

5. (Currently Amended) A computer-implemented color management system which generates a color transform ~~to model color behavior of~~ for a color device, comprising:

a program memory for storing a data structure comprising (1) a measurement component comprising ~~a collection of measurements, wherein each measurement represents~~ at least one of control signal data by which is in device dependent coordinates and ~~a sample color measurement is obtained by effecting a corresponding color output from or input to the color device, or a set of color coordinates~~ coordinate data which ~~correlate~~ correlates to said ~~at least one control signal, or both,~~ and (2) a characterization process component comprising platform-independent code for a characterization process based on the measurement component ~~which processes said collection of measurements to~~ produce a color behavior model for the color device; and

a processor for (1) compiling or interpreting said platform-independent code stored in said program memory and (2) executing the compiled or interpreted code on the measurement component to generate the color transform.

6. (Currently Amended) A color management system according to Claim 5, wherein said program memory further stores a control parameter component comprising control parameters representing a type or state of the color device, and

wherein said characterization process component processes said ~~collection of measurements~~ measurement component in accordance with said control parameters, in order to produce a color behavior model for the color device corresponding to said type or state of the color device.

7. (Currently Amended) A computer-implemented method of generating a color transform ~~using a data structure by which color behavior of~~ for a color device is ~~modeled~~, the method comprising:

a compiling step for compiling or interpreting platform-independent code stored in a data structure to output computer-executable code, where said data structure comprises (1) a measurement component comprising ~~a collection of measurements~~, wherein each measurement represents at least one of control signal data by which is in device dependent coordinates and ~~a sample color measurement is obtained by effecting a corresponding color output from or input to the color device, or a set of color coordinates coordinate data~~ which ~~correlate~~ correlates to said ~~at least one~~ control signal, ~~or both~~, and

(2) a characterization process component comprising said platform-independent code, wherein said platform-independent code represents a characterization process based on the measurement component ~~which processes said collection of measurements~~ to produce a color behavior model for the color device;

an execution step for executing said computer-executable code on the measurement component to generate the color transform.

8. (Currently Amended) A method of generating a color transform according to Claim 7, wherein said data structure further comprises a control parameter component comprising control parameters representing a type or state of the color device, and

wherein said characterization process component processes said ~~collection of measurements~~ measurement component in accordance with said control parameters, in order to produce a color behavior model for the color device corresponding to said type or state of the color device.

9. (Original) A method of generating a color transform according to Claim 7, wherein said data structure is stored as a device profile in ICC format, using custom tags.

10. (Original) A method of generating a color transform according to Claim 8, wherein said data structure is stored as a device profile in ICC format, using custom tags.

11. (Currently Amended) A computer-implemented method of generating a data structure by which color behavior of a color device is modeled, the method comprising:

~~obtaining measuring color data for the color device, said color data representing at least one of control signal data by which is in device dependent coordinates and a sample color measurement is obtained by effecting a corresponding color output from or input to the color device, or a set of color coordinates-coordinate data which correlate-correlates to said at least one control signal data, or both;~~

storing said at least one of the obtained control signal color data and the obtained color coordinate data in a measurement-only profile in a measurement component; and

storing platform-independent code by which the measurement-only ~~profiles are-profile is~~ used to generate a color transform; ~~in a characterization process component.~~

12. (Currently Amended) A computer-readable storage medium in which is stored a computer-executable program for generating a color transform using a data structure by which color behavior of a color device is modeled, said program comprising codes for permitting-controlling the computer to perform:

a compiling step for compiling or interpreting platform-independent code stored in a data structure to output computer-executable code, where said data structure comprises (1) a measurement component comprising ~~a collection of measurements;~~ wherein each measurement represents at least one of control signal data by which is in

~~device dependent coordinates and a sample color measurement is obtained by effecting a corresponding color output from or input to the color device, or a set of color coordinates coordinate data which correlate-correlates to said at least one control signal data, or both;~~  
and (2) a characterization process component comprising said platform-independent code, wherein said platform-independent code represents a characterization process based on the measurement component ~~which processes said collection of measurements to produce a~~ color behavior model for the color device; and

an execution step for executing said computer-executable code on the measurement component to generate the color transform.

13. (Currently Amended) A computer-readable storage medium according to Claim 12, wherein said data structure further comprises a control parameter component comprising control parameters representing a type or state of the color device, and

wherein said characterization process component ~~processes said collection of measurements~~ measurement component in accordance with said control parameters, in order to produce a color behavior model for the color device corresponding to said type or state of the color device.

14. (Original) A computer-readable storage medium according to Claim 12, wherein said data structure is stored as a device profile in ICC format, using custom tags.

15. (Original) A computer-readable storage medium according to Claim 13, wherein said data structure is stored as a device profile in ICC format, using custom tags.

16. (Currently Amended) A computer-readable storage medium in which is stored a computer-executable program for generating a data structure by which color behavior of a color device is modeled, said program comprising codes for controlling the computer to perform:

a measuring step, for measuring color data for the color device, said color data representing at least one of control signal data by which is in device dependent coordinates and ~~a sample color measurement is obtained by effecting a corresponding color output from or input to the color device, or a set of color coordinate data coordinates which correlate~~ correlates to said ~~at least one control signal data, or both;~~

a first storing step, for storing said color data in a measurement-only profile in a measurement component; and

a second storing step, for storing platform-independent code by which the measurement-only ~~profiles are profile is~~ profile is used to generate a color transform; ~~in a characterization process component.~~

17. to 21. (Cancelled)